

Title (en)  
NOVEL APPLICATION OF AIMP1 POLYPEPTIDE

Title (de)  
NEUE ANWENDUNG DES AIMP1-POLYPEPTIDS

Title (fr)  
NOUVELLE UTILISATION DU POLYPEPTIDE AIMP1

Publication  
**EP 2348049 A4 20120328 (EN)**

Application  
**EP 09819399 A 20091009**

Priority  
• KR 2009005778 W 20091009  
• KR 20080099782 A 20081010

Abstract (en)  
[origin: EP2348049A2] The present invention relates to a novel use of AIMP1 polypeptide, more particularly to a composition for diagnosis of arthritis comprising an antibody against AIMP1, a kit for diagnosis comprising the same, a method for diagnosis of arthritis comprising: acquiring a specimen from a subject; and detecting AIMP1 polypeptide included in the specimen, and an antibody against the AIMP1 polypeptide for diagnosis of arthritis. The present invention provides a composition for diagnosis of arthritis including an antibody against AIMP1 polypeptide as a novel diagnosis marker of arthritis, a kit for diagnosis including the same, a method for diagnosis of arthritis comprising: acquiring a specimen from a subject; and detecting AIMP1 polypeptide included in the specimen, and an antibody against the AIMP1 polypeptide for diagnosis of arthritis. The composition, kit for diagnosis, method for diagnosis and antibody against the AIMP1 polypeptide may be used to diagnose arthritis early since they allow easy diagnosis of arthritis using a specimen from the patient.

IPC 8 full level  
**C07K 16/18** (2006.01); **G01N 33/564** (2006.01)

CPC (source: EP KR US)  
**G01N 33/564** (2013.01 - EP KR US); **G01N 2800/102** (2013.01 - EP KR US)

Citation (search report)  
• [Y] WO 2007100058 A1 20070907 - UNIV CHIBA NAT UNIV CORP [JP], et al & EP 2006681 A1 20081224 - UNIV CHIBA NAT UNIV CORP [JP]  
• [X] US 6228837 B1 20010508 - STERN DAVID M [US], et al  
• [X] WO 2008007818 A1 20080117 - SEOUL NAT UNIV IND FOUNDATION [KR], et al  
• [XP] WO 2008133359 A1 20081106 - IMAGENE CO LTD [KR], et al  
• [Y] GU J ET AL: "CLUES TO PATHOGENESIS OF SPONDYLOARTHROPATHY DERIVED FROM SYNOVIAL FLUID MONONUCLEAR CELL GENE EXPRESSION PROFILES", JOURNAL OF RHEUMATOLOGY, JOURNAL OF RHEUMATOLOGY PUBLISHING COMPANY, CA, vol. 29, no. 10, 1 October 2002 (2002-10-01), pages 2159 - 2164, XP008029647, ISSN: 0315-162X  
• [X] ARIANNA BOTTONI ET AL: "Proteasomes and RARS modulate AIMP1/EMAP II secretion in human cancer cell lines", JOURNAL OF CELLULAR PHYSIOLOGY, vol. 212, no. 2, 1 August 2007 (2007-08-01), pages 293 - 297, XP055019487, ISSN: 0021-9541, DOI: 10.1002/jcp.21083 & DATABASE UniProt [online] 24 January 2006 (2006-01-24), "AIMP1\_HUMAN", XP002669672, Database accession no. Q12904  
• See references of WO 2010041892A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2348049 A2 20110727; EP 2348049 A4 20120328; EP 2348049 B1 20131002**; KR 101067817 B1 20110927; KR 20100040582 A 20100420; US 2011250701 A1 20111013; WO 2010041892 A2 20100415; WO 2010041892 A3 20100819; WO 2010041892 A9 20100701

DOCDB simple family (application)  
**EP 09819399 A 20091009**; KR 20080099782 A 20081010; KR 2009005778 W 20091009; US 200913123511 A 20091009